

# LIST OF PUBLICATIONS

JASMIN RAISSY

June 2024

## Articles published in international journals with peer review

- [1] J. RAISSY: *Linearization of holomorphic germs with quasi-Brjuno fixed points*, Math. Z., **264** (2010), pp 881–900.
- [2] J. RAISSY: *Simultaneous linearization of holomorphic germs in presence of resonances*, Conform. Geom. Dyn. **13** (2009), pp 217–224.
- [3] J. RAISSY: *Torus actions in the normalization problem*, J. Geom. Anal., **20**, (2010), pp. 472–524.
- [4] M. ABATE, J. RAISSY: *Backward iteration in strongly convex domains*, Adv. in Math., **228**, Issue 5, (2011), pp. 2837–2854.
- [4\*] M. ABATE, J. RAISSY: *Erratum to: Backward iteration in strongly convex domains*, Adv. Math. **369** (2020), 107165, 1–9.
- [5] J. CRESSON, J. RAISSY: *About the trimmed and the Poincaré-Dulac normal form of diffeomorphisms*, Boll. UMI (9) **V** (2012), pp. 55–80.
- [6] M. ABATE, J. RAISSY, A. SARACCO: *Toeplitz operators and Carleson measures in strongly pseudoconvex domains*, J. Funct. Anal. **263** (2012), pp. 3449–3491.
- [7] F. BRACCI, J. RAISSY, D. ZAITSEV: *Dynamics of multi-resonant biholomorphisms*, Int. Math. Res. Notices, **23** (2013), no. 20, pp. 4772-4797.
- [8] J. RAISSY: *Holomorphic linearization of commuting germs of holomorphic maps*, J. Geom. Anal. **23** (2013), no. 4, pp. 1993-2019.
- [8\*] J. RAISSY: *Erratum to: Holomorphic linearization of commuting germs of holomorphic maps* J. Geom. Anal. **23** (2013), no. 4, p. 2034.
- [9] M. ABATE, J. RAISSY: *Formal Poincaré-Dulac renormalization for holomorphic germs*, Discrete Contin. Dyn. Syst. **33** (2013), no. 5, 1773–1807.
- [10] J. RAISSY, L. VIVAS: *Dynamics of two-resonant biholomorphisms*, Math. Res. Lett., **20**, no. 4, (2013), 757–771.
- [11] M. ABATE, J. RAISSY: *Wolff-Denjoy theorems in non-smooth convex domains*, Ann. Mat. Pura ed Appl. (4), Springer-Verlag, **193**, no. 5, (2014), 1503–1518.
- [12] M. ABATE, J. RAISSY: *A Julia-Wolff-Carathéodory theorem for infinitesimal generators in the unit ball*, Trans. Amer. Math. Soc. **368** (2016), no. 8, 5415–5431.
- [13] M. ASTORG, X. BUFF, R. DUJARDIN, H. PETERS, J. RAISSY: *A two-dimensional polynomial mapping with a wandering Fatou component*, Ann. of Math. (2) **184** (2016), no. 1, 263–313.
- [14] M. ABATE, J. RAISSY: *Skew Carleson measures in strongly pseudoconvex domains*, Complex Anal. Oper. Theory (2018). <https://doi.org/10.1007/s11785-018-0823-4>

- [15] H. PETERS, J. RAISSY: *Fatou components of elliptic polynomial skew products*, Ergodic Theory and Dynamical Systems, 39 (2019), no. 8, 2235–2247.
- [16] M. ABATE, S. MONGODI, J. RAISSY: *Toeplitz Operators and Skew Carleson measures for weighted Bergman spaces on strongly pseudoconvex domains*, J. Operator Theory 84 (2020), no. 2, 339–364.
- [17] F. BRACCI, J. RAISSY, B. STENSØNES: *Automorphisms of  $\mathbb{C}^k$  with an invariant non-recurrent attracting Fatou component biholomorphic to  $\mathbb{C} \times (\mathbb{C}^*)^{k-1}$* , J. Eur. Math. Soc. (JEMS), Volume 23, Issue 2, 2021, 639–666.
- [18] L. LÓPEZ-HERNANZ, J. RAISSY, J. RIBÓN, F. SANZ-SÁNCHEZ: *Stable manifolds of two-dimensional biholomorphisms asymptotic to formal curves*, Int. Math. Res. Notices, Vol. 2021, No. 17, pp. 12847–12887, <https://doi.org/10.1093/imrn/rnz143>

#### Articles published in proceedings with peer review

- [19] J. RAISSY: *Brjuno conditions for linearization in presence of resonances*, in “**Asymptotics in Dynamics, Geometry and PDE’s; Generalized Borel Summation**” vol. I, O. Costin, F. Fauvet, F. Menous e D. Sauzin editori, “CRM series”, Pisa, Edizioni Della Normale 2011, pp. 201–218.
- [20] M. ARIZZI, J. RAISSY: *On Écalle-Hakim’s theorems in holomorphic dynamics*, in **Frontiers in Complex Dynamics: In celebration of John Milnor’s 80th. birthday**, A. Bonifant, M. Lyubich, S. Sutherland editors, Princeton University Press, (2014), pp. 387–449.
- [21] J. RAISSY: *The Julia-Wolff-Carathéodory theorem and its generalizations*, **Complex Analysis and Geometry**, 281–293, Springer Proc. Math. Stat., 144, Springer, Tokyo, 2015.
- [22] J. RAISSY: *Polynomial skew-products in dimension 2: Bulging and Wandering Fatou components*, Boll Unione Mat Ital **10** (3) (2017), 441–450, <https://doi.org/10.1007/s40574-016-0101-1>

#### Articles Accepted in proceedings with peer review

- [23] X. BUFF, T. GAUTHIER, V. HUGUIN, J. RAISSY: *Rational maps with integer multipliers*, (2022), arXiv:2212.03661, to appear in the proceedings of the Simons Symposia on Algebraic, Complex, and Arithmetic Dynamics.

#### Book Chapters

- [24] J. RAISSY: *Dynamics of foliations in the Poincaré domain*, in “**Local dynamics of singular holomorphic foliations**”, Marco Abate editor, Edizioni ETS, Pisa, 2009, pp. 57–81.
- [25] X. BUFF, J. RAISSY: *Introduction to Fatou components in holomorphic dynamics*, (2022), to appear in C.I.M.E. Lecture Notes “Modern Aspects of Dynamical Systems”, Springer Lecture Notes in Mathematics – C.I.M.E. subseries, arXiv:2302.02669

## Edited Volume

- [26] **KAWA Lecture Notes**, Annales de la faculté des sciences de Toulouse Sér. 6, 27 no. 2: **Numéro spécial à l'occasion de KAWA Komplex Analysis Winter school And workshop, 2014-2016**, *J. Marzo, J. Raissy, P.J. Thomas and A. Zeriahi editors*, 2018, doi: 10.5802/afst.1570

## Notes

- [27] A. ABBONDANDOLO, L. AROSIO, J.-E. FORNÆSS, P. MAJER, H. PETERS, J. RAISSY, L. VIVAS: *A survey on non-autonomous basins in several complex variables*, Preprint 2014, 17 pages, arXiv:1311.3835.

## Other kinds of publications

- [28] J. RAISSY: **Geometrical methods in the normalization of germs of biholomorphisms**, Ph.D. Thesis, Università di Pisa, 2010
- [29] J. RAISSY: **A local approach to holomorphic dynamics in higher dimension**, HDR, Université Toulouse 3, 2018. <https://tel.archives-ouvertes.fr/tel-01928166v1>
- [30] JULIA XÉNELKIS DE HÉNON: *Hénon maps: a list of open problems*, by Pierre Berger, Eric Bedford, Fabrizio Bianchi, Xavier Buff, Sylvain Crovisier, Tien-Cuong Dinh, Romain Dujardin, Patrick Ingram, Yutaka Ishii, Enrique Pujals, and Sonja Štimac, *edited by Charles Favre, Tanya Firsova, Liviana Palmisano, Jasmin Raissy, and Gabriel Vigny*, (2023) [arxiv.org/abs/2312.03907](https://arxiv.org/abs/2312.03907) accepted in Arnold Mathematical Journal (ARMJ).